

Assignment:2

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Guidelines

1. Complete the assignment and upload to black board within the deadline.
2. Clearly mention your name and student ID.
3. **Do not copy from other friends.** If found 0 marks will be given.
4. **Do not submit the blank file.** If found will get the demerit point.
5. Submit all the problems in single file (.docx).
6. The file should contain the **source code along with the output screen for each question**
7. Use the comment option to explain your code.
8. The solution should be exactly match to the question.
9. If you have any question do not hesitate to inbox me.

Deadline:2021/04/14



Assignment:2

Q.1) Find the largest of the three number using inline function with the concept of class. Take two function **input()** and **display()**. Inline function should return value after calculating largest. Define the object as **big**.

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Q.2) Create a class named calc and five member function name **get()**, **sum()**, **difference()**, **product()**, **division()**. Also, create the object **obj1**. Apply inline function concept to code the program.

Output

```
Enter first value: 45
Enter second value: 15
Addition of two numbers: 60
Difference of two numbers: 30
Product of two numbers: 675
Division of two numbers: 3
```

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Q.3) For Q1, implement the concept of constructor to initialize the variable with 10, 100, 300 for object **big** using parameterized constructor and you should use the member function to overwrite the initialized value with the new set of data at run time to calculate the largest among the three.

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Q.4) Write a code to illustrate constructor overloading concept to define three constructors as specified below. For constructor with arguments display the argument passed by object.

- ✓ one constructor with 2 arguments
- ✓ one constructor with 1 argument
- ✓ One constructor with no argument (can display any message)

and create 3 objects as specified below

- ✓ one object with 2 arguments
- ✓ one object with 1 arguments
- ✓ one object with no arguments

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Q.5) Find the largest among the three number using class. Create a constructor function

input () to initialized the object at run time and create member function as

largest () to calculate the largest and to display the result. Called these member function using object **big**.

Note: Use the concept of separate compilation. Create the separate header file(.h), main file (.cpp) and class file(.cpp).

Guidelines:

Put the content of three file separately

1. .h file
2. Main. cpp file
3. Class.cpp

While submitting, copy code from all files and paste to another file with comments mention the file type

